EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/564829	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:33
L2	6793	546/221 or 546/192 or 514/89 or 514/317 or 514/326	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:35
L3	532	l2 and prostaglandin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:36
L4	39	l3 and piperidone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 15:39

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1   Web Page for STN Seminar Schedule - N. America
NEWS 2   MAY 01 New CAS web site launched
NEWS 3   MAY 08 CA/CAplus Indian patent publication number format defined
NEWS 4   MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display
                  fields
NEWS 5   MAY 21 BIOSIS reloaded and enhanced with archival data
NEWS 6   MAY 21 TOXCENTER enhanced with BIOSIS reload
NEWS 7   MAY 21 CA/CAplus enhanced with additional kind codes for German
                  patents
NEWS 8   MAY 22 CA/CAplus enhanced with IPC reclassification in Japanese
                  patents
NEWS 9   JUN 27 CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS 10   JUN 29 STN Viewer now available
NEWS 11   JUN 29 STN Express, Version 8.2, now available
NEWS 12   JUL 02 LEMBASE coverage updated
NEWS 13   JUL 02 LMEDLINE coverage updated
NEWS 14   JUL 02 SCISEARCH enhanced with complete author names
NEWS 15   JUL 02 CHEMCATS accession numbers revised
NEWS 16   JUL 02 CA/CAplus enhanced with utility model patents from China
NEWS 17   JUL 16 CAplus enhanced with French and German abstracts
NEWS 18   JUL 18 CA/CAplus patent coverage enhanced
NEWS 19   JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 20   JUL 30 USGENE now available on STN
NEWS 21   AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 22   AUG 06 BEILSTEIN updated with new compounds
NEWS 23   AUG 06 FSTA enhanced with new thesaurus edition
NEWS 24   AUG 13 CA/CAplus enhanced with additional kind codes for granted
                  patents
NEWS 25   AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 26   AUG 27 Full-text patent databases enhanced with predefined
                  patent family display formats from INPADOCDB
NEWS 27   AUG 27 USPATOLD now available on STN
NEWS 28   AUG 28 CAS REGISTRY enhanced with additional experimental
                  spectral property data

NEWS 29   SEP 07 STN AnaVist, Version 2.0, now available with Derwent
                  World Patents Index
NEWS 30   SEP 13 FORIS renamed to SOFIS
NEWS 31   SEP 13 INPADOCDB: New SDI frequency MONTHLY available now

NEWS EXPRESS   05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.

NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS LOGIN   Welcome Banner and News Items
NEWS IPC8   For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 15:45:08 ON 13 SEP 2007

=> file registry
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

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STRUCTURE FILE UPDATES: 12 SEP 2007   HIGHEST RN 946827-72-1
DICTIONARY FILE UPDATES: 12 SEP 2007   HIGHEST RN 946827-72-1

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
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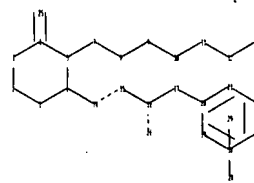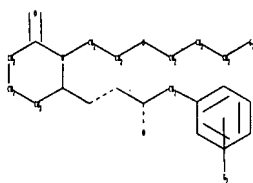
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7   8   9   10   11   12   13   14   15   16   17   25   26   28
ring nodes :
1   2   3   4   5   6   18   19   20   21   22   23
chain bonds :
4-25   5-7   6-14   7-8   8-9   9-10   10-11   11-12   12-13   14-15   15-16   16-17   16-26
17-20
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   18-19   18-23   19-20   20-21   21-22   22-23
exact/norm bonds :
1-2   1-6   2-3   3-4   4-5   4-25   5-6   12-13   14-15   16-26
exact bonds :
5-7   6-14   7-8   8-9   9-10   10-11   11-12   15-16   16-17   17-20
normalized bonds :
18-19   18-23   19-20   20-21   21-22   22-23

G1:C,S,P

G2:C,O,N

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:CLASS   9:CLASS   10:CLASS
 11:CLASS   12:CLASS   13:CLASS   14:CLASS   15:CLASS   16:CLASS   17:CLASS   18:Atom
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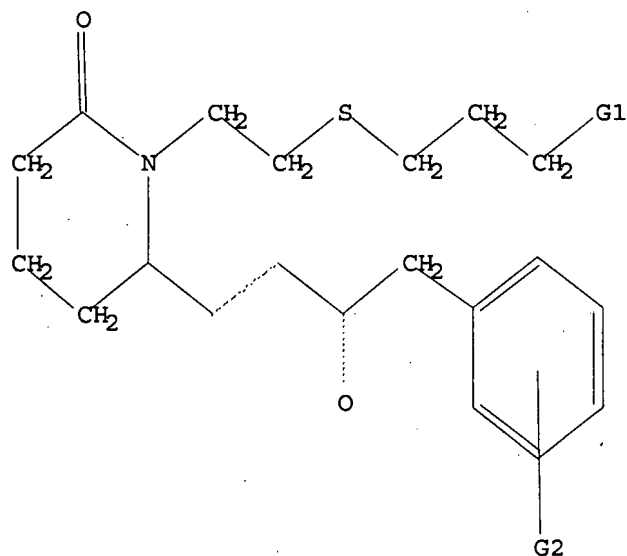

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS

L1   STR

G1 C,S,P

G2 C,O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full
FULL SEARCH INITIATED 15:47:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   333 TO ITERATE

100.0% PROCESSED   333 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

L2   1 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                ENTRY   SESSION
FULL ESTIMATED COST   173.45   173.66

FILE 'CAPLUS' ENTERED AT 15:47:49 ON 13 SEP 2007
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FILE COVERS 1907 - 13 Sep 2007 VOL 147 ISS 12
FILE LAST UPDATED: 12 Sep 2007 (20070912/ED)

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=> s l2
L3   2 L2

=> d l2 1-2 ibib abs hitstr
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=>   d l3 1-2 ibib abs hitstr

ACCESSION NUMBER: 2005:378879 CAPLUS
DOCUMENT NUMBER: 143:59790
TITLE: Lactams as prostanoid receptor ligands. Part 4:
                         2-Piperidones as selective EP4 receptor agonists
AUTHOR(S):   Elworthy, Todd R.; Brill, Emma R.; Caires,
Christopher
                         C.; Kim, Woongki; Lach, Leang K.; Tracy, Jahari
                         Laurant; Chiou, San-San
CORPORATE SOURCE: Roche Palo Alto, Department of Medicinal Chemistry,
                         Palo Alto, CA, 94304-1397, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2005),
                         15(10), 2523-2526
                         CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 143:59790
GI

I
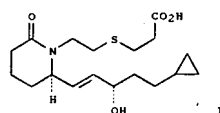
AB   2-Piperidones, e.g., I, were prepared bearing heptanoic acid or a
thioether
     heptanoic acid at the 1-position as well as appropriately substituted at
     the 6-position to mimic the structure of prostaglandins. The stereochem.
     purity at the 6-position was determined to be ≥95% ee for an advanced
     synthetic intermediate. The 2-piperidones were identified as potent
     agonists at the EP4 prostanoid receptor. They displayed a high affinity
     (Ki 5-130 nM) at EP4 and subtype selectivity.
IT   724705-74-2P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
     (Biological study); PREP (Preparation)
         (stereoselective preparation and EP4 receptor binding affinity of
         piperidones starting from aminoadipic acid using resolution as the key
         step)
RN   724705-74-2 CAPLUS
CN   Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-
     (methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
     (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

REFERENCE COUNT: 16   THERE ARE 16 CITED REFERENCES AVAILABLE FOR
THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

ACCESSION NUMBER: 2004:589253 CAPLUS
DOCUMENT NUMBER: 141:123513
TITLE: 2-piperidone derivatives as prostaglandin agonists
INVENTOR(S):   Elworthy, Todd Richard
PATENT ASSIGNEE(S):   USA
SOURCE: U.S. Pat. Appl. Publ., 26 pp.
                         CODEN: USXXCO
DOCUMENT TYPE: Patent
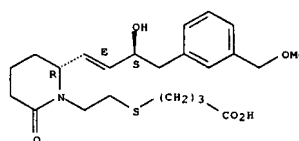LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004142969	A1	20040722	US 2004-754117	20040108
AU 2004203905	A1	20040729	AU 2004-203905	20040102
CA 2511255	A1	20040729	CA 2004-2511255	20040102
WO 2004063158	A1	20040729	WO 2004-EP8	20040102
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
EP 1585729	A1	20051019	EP 2004-700041	20040102
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2004006717	A	20051220	BR 2004-6717	20040102
CN 1735597	A	20060215	CN 2004-80002071	20040102
JP 2006515015	T	20060518	JP 2005-518636	20040102
MX 2005PA07341	A	20050930	MX 2005-PA7341	20050706
PRIORITY APPLN. INFO.:			US 2003-439152P	P 20030110
			WO 2004-EP8	W 20040102

OTHER SOURCE(S):   MARPAT 141:123513
GI

I

II
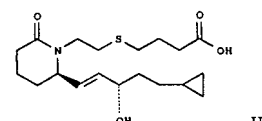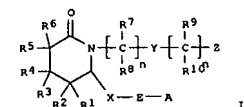
AB   2-Piperidone derivs. I (n = 0-4; A = alkyl, aryl, heteroaryl, arylalkyl,

     arylcycloalkyl, cycloalkylalkyl, aryloxyalkyl; E = CHOH, or C(O); Y =
CH2,
     CH:CH, arylene, heteroarylene, O, S(O)p (p = 0-2), NRa (Ra = H, alkyl); Z
     = CH2OH, CHO, tetrazole-5-yl, COORb (Rb = H, alkyl); R1, R2, R3, R4, R5,
     R6, R7, R8, R9, R10 = H, alkyl) and pharmaceutically acceptable salts,
     solvates, prodrugs, single isomers or racemic or non-racemic mixt. of
     isomers thereof were prepd. as selective prostaglandin EP4 agonists for
     the treatment of assocd. diseases. Thus, 6R-(1-ethoxy-
     ethoxymethyl)piperidin-2-one was treated with NaH,a nd 2-bromoethanol
     triisopropylsilyl ether,.followed by pyridinium p-toluene sulfonic acid
to
     give the alc. The alc. was oxidized to the aldehyde using Swern
     conditions, and treatment of the aldehyde with (4-cyclopropyl-2-
     oxobutyl)phosphonic acid di-Me ester gave the alkene. Redn. of the
ketone
     using (R)-2-methyl-CBS-oxazaborolidine followed by deprotection of the
     silylether gave the primary alc. Treatment of the alc. with
     γ-thiobutyrolactone gave the Me ester which was treated with NaOH to
     give the desired II. The invention also provides methods for prepg.,
     compns. comprising, and methods for using compds. of formula I.
IT   724705-74-2P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
     (Uses)
         (preparation of 2-piperidone derivs. as selective prostaglandin EP4
agonists
         for the treatment of associated diseases)
RN   724705-74-2 CAPLUS
CN   Butanoic acid, 4-[[2-[(2R)-2-[(1E,3S)-3-hydroxy-4-[3-
     (methoxymethyl)phenyl]-1-butenyl]-6-oxo-1-piperidinyl]ethyl]thio]- (9CI)
     (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.
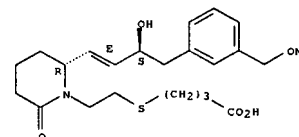
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.36	187.02

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.56	-1.56

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